Manufacturer: SMA America

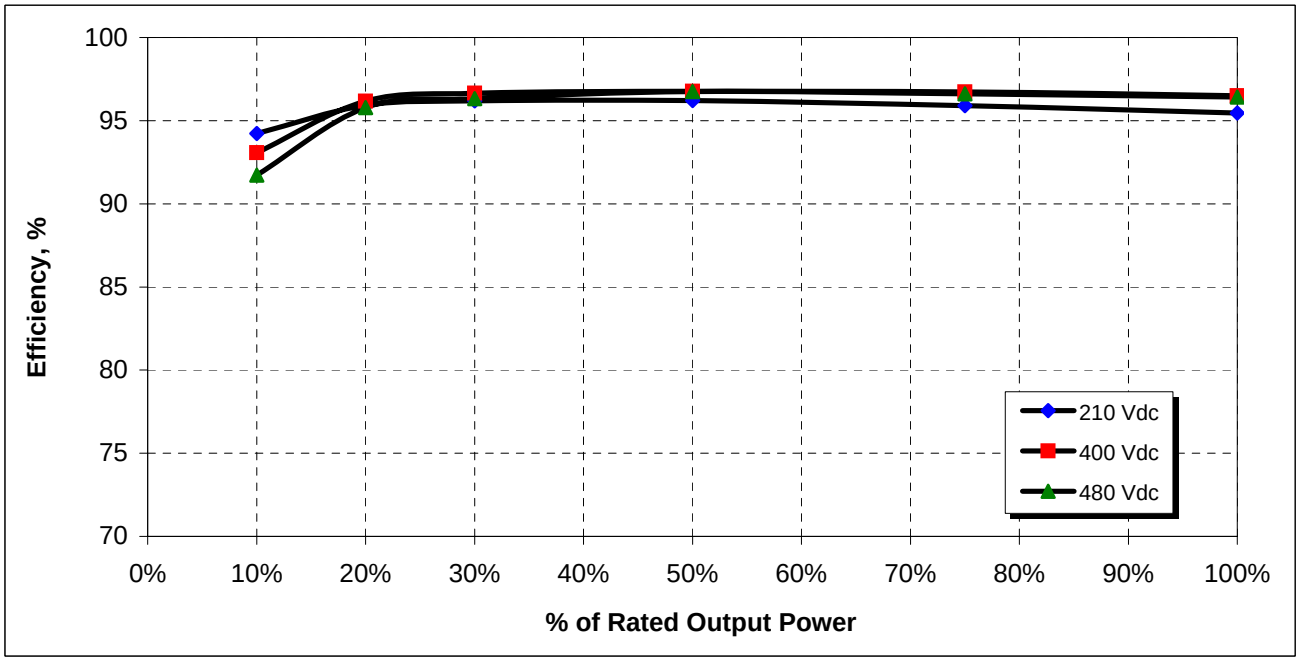
Model #: SB7000TL-US-22 (208V)

Rated Maximum Continuous Output Power: 6.007 kW Night Tare Loss: 0.39 W

Vmin: 210 Vdc Vnom: 400 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.20	1.80	3.00	4.51	6.01	Wtd
Vmin	210	94.23	95.92	96.19	96.20	95.90	95.46	95.91
Vnom	400	93.08	96.16	96.65	96.78	96.74	96.49	96.55
Vmax	480	91.73	95.78	96.33	96.75	96.62	96.41	96.36

CEC Efficiency = 96.5%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	587.50	215.50	94.33	562.80	210.60	94.22	560.90	208.40	94.19	562.80	215.80	94.23	564.50	213.70	94.20
20%	Vmin	1298.00	210.50	95.92	1292.80	207.40	95.93	1295.80	214.50	95.93	1298.50	213.20	95.92	1299.10	210.50	95.91
30%	Vmin	1807.40	216.40	96.18	1814.80	213.10	96.20	1806.10	210.10	96.19	1811.40	211.50	96.19	1814.10	212.90	96.18
50%	Vmin	2740.80	212.60	96.20	2740.30	213.10	96.20	2738.80	216.50	96.24	2739.30	214.10	96.18	2740.70	212.60	96.20
75%	Vmin	4239.00	212.00	95.91	4238.00	212.00	95.89	4232.00	213.60	95.91	4238.00	211.40	95.89	4235.00	212.90	95.90
100%	Vmin	5701.00	212.90	95.46	5694.00	214.50	95.47	5700.00	209.50	95.46	5700.00	213.20	95.46	5706.00	211.50	95.46
10%	Vnom	554.30	405.60	93.10	553.30	409.80	93.14	546.10	420.10	92.92	553.40	405.50	93.09	550.90	414.90	93.13
20%	Vnom	1304.20	404.40	96.15	1304.50	400.20	96.19	1303.90	401.80	96.14	1307.80	408.30	96.16	1304.30	401.60	96.18
30%	Vnom	1960.00	404.50	96.66	1958.70	401.50	96.68	1960.40	405.00	96.64	1932.40	414.30	96.62	1933.70	411.20	96.65
50%	Vnom	3028.30	402.30	96.48	3045.40	410.90	96.90	3048.00	406.40	96.87	2976.30	415.90	96.84	3046.00	406.70	96.79
75%	Vnom	4393.00	413.30	96.76	4392.00	411.40	96.73	4393.00	408.20	96.75	4392.00	411.40	96.70	4393.00	411.40	96.74
100%	Vnom	5769.00	408.40	96.49	5773.00	410.40	96.50	5772.00	413.10	96.48	5773.00	409.20	96.49	5771.00	409.20	96.50
10%	Vmax	561.80	488.90	91.48	568.30	483.90	92.15	562.00	491.60	91.89	564.20	484.70	91.66	562.00	489.00	91.49
20%	Vmax	1296.50	482.00	95.83	1295.70	476.40	95.67	1293.90	480.30	95.66	1297.30	479.80	95.88	1261.60	476.80	95.85
30%	Vmax	1944.10	479.50	96.32	1944.40	474.90	96.37	1944.00	477.60	96.32	1944.20	478.40	96.34	1943.70	481.00	96.32
50%	Vmax	3108.50	469.50	96.81	3107.60	473.30	96.79	3107.70	474.60	96.79	3105.00	471.00	96.71	3102.90	471.30	96.64
75%	Vmax	4782.00	479.70	96.68	4714.00	472.80	96.61	4717.00	471.80	96.67	4709.00	468.90	96.59	4715.00	477.00	96.53
100%	Vmax	5760.00	477.70	96.30	5762.00	482.30	96.46	5765.00	473.50	96.38	5771.00	474.50	96.46	5774.00	478.30	96.46

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															